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This index lists subjects treated in the Technical Section and Tech Digests department of the magazine. Divided into two parts, the index conveniently contains an author's index and a subject index. The former lists the titles and page numbers for each authored article, arranged alphabetically by author. The latter is cross indexed for easy reference and indicates by an asterisk those items less than one page in length. Important subtopics are indexed along with major subjects so that references to a desired subject may be located easily with a minimum expenditure of time.

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HURRY! Enter the Gadgets Contest before December 31

CONTEST RULES

1. **ELIGIBILITY:** This contest is open to all members of the American Society of Tool Engineers.

2. **DEFINITION:** "Gadgets" are defined as tools or methods developed to solve specific production problems. They should contain a useful and practical idea or indicate an ingenious solution to a tool engineering problem.

3. **PRIZES:** One $100 first prize, two $50 second prizes, four $25 third prizes, and honorable mention awards which will be a choice of the Tool Engineers Handbook, 2nd Edition, or Die Design Handbook published by the American Society of Tool Engineers. Certificates will be awarded to all prize winners.

4. **PERIOD:** The contest will run from October 1 until December 31, 1959. All contributions to the Gadgets Department received from ASTE members during the period of the contest will be considered as entries.

5. **JUDGING:** Entries will be judged on the basis of originality and usefulness to other tool engineers. Also, clarity of illustrations, conciseness and completeness of presentation will be considered. Members of the ASTE National Editorial Committee will serve as judges. Winners will be notified by mail as soon as possible after completion of judging. A list of winners will be published in THE TOOL ENGINEER.

6. **ENTRIES:** The name and chapter affiliation of the author should be written on each page of the entry. No entries will be returned. Information which has been published previously in a periodical or national magazine is not eligible. All publication rights are assigned to THE TOOL ENGINEER. Authors of entries published in THE TOOL ENGINEER will receive honorariums.

7. **LENGTH:** Entries should be limited to 500 words or less. Sketches or photographs should be used to illustrate the methods or devices described in the text of the entry.

8. **MAIL ENTRIES TO:** Gadgets Contest Editor, THE TOOL ENGINEER, 10700 Puritan Ave., Detroit 38, Mich.

1959 Alphabetical Index of THE TOOL ENGINEER Advertisers

This index of advertisers includes all advertisers who have appeared in THE TOOL ENGINEER during 1959, and the issues which carried their advertisements.

This index is published as a reader service. Although every precaution is taken to assure correct listing, no allowance will be made for error or omission.

***Exhibitor in 1958 ASTE Industrial Expositions**

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*Ames Co., B. C.—Jan., Mar., May, June 15, July, Sept., Nov.
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B

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C

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*Carpenter Steel Co.—Feb., Apr., June
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*Cerro de Pasco Sales Corp.—Jan., Mar., May, June 15, July, Sept., Nov.
*Challenge Machinery Co.—Feb., Oct.
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*Chicago Pneumatic Tool Co.—June, Aug., Oct., Dec.
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*Cincinnati Milling Machine Co., Milling Machine Division—Feb., Aug.
*Circular Tool Co.—Jan., Feb., Apr., June 15, Aug., Oct., Dec.
*Clausing Division, The Atlas Press Co.—Nov.
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*Cleveland Instrument Co., Inc.—Jan., Feb., Mar., Apr., May, June 15, Sept., Nov.
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*Cogsdill Tool Products, Inc.—June 15
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Commando Tool Co.—June 15
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*Coromant Division, Sandvik Steel, Inc.—Feb., Apr., June, Aug., Nov., Dec.
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*Crafts Co., Inc., Arthur A.—Jan., Mar., May, June 15, July, Sept., Nov.
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*Cushman Chuck Co.—Feb., Apr., June, June 15, Aug., Oct., Dec.
*Cutler-Hammer Co., Airborne Instruments Laboratory, Division—Apr., May, June, June 15, Sept., Oct.
*Cutter Division, The Ingersoll Milling Machine Co.—Feb., Apr., June, Aug., Oct., Dec.

D

*Danly Machine Specialties, Inc.—Feb., Apr., June, Sept., Oct., Dec.
*Davidson Mfg. Co.—Apr.
*Davis Boring Tool Division, Giddings & Lewis Machine Tool Co.—Jan., June 15
*Davis Gage & Engineering Co., A. G.—June 15
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*Devcon Corp.—Jan., Apr., May, June, June 15, Sept., Oct., Nov.
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*DoALL Co.—Jan., Feb., Mar., Apr., May, June 15, Aug., Sept., Oct., Nov.
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*Drillmation Co., Inc.—June 15
*duMont Corp., The—June 15
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*Dunham Tool Co.—June 15
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E

*Eastern Machine Screw Corp., The—Mar., Apr., May, Aug., Sept., Nov.
*Eastman Kodak Co.—Jan., Feb., Mar., Apr., May, June, June 15, July, Aug., Sept., Oct., Nov., Dec.
*Eclipse Counterbore Co.—Jan., Mar., May, June 15, July, Sept., Oct., Nov.
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*Edgcomb Engineering & Engraving Co.—June 15, Nov.
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*Engelberg, Inc.—Feb., Apr., May
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*Erickson Tool Co.—Jan., Mar., Apr., June, Sept., Nov.
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*Errington Mechanical Laboratory—June 15
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*Ex-Cell-O Corp., Bryant Surface Plates & Gages—Feb.
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*Falcon Tool Co.—June 15
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*Fellows Gear Shaper Co.—Jan., Apr., May, June 15, July, Sept., Nov.
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*Flick-Reedy Corp., Miller Fluid Power Division—Jan., Apr., June 15, Sept.
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G

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*Grob, Inc.—June 15
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*Gulf Oil Corp.—Feb., Mar., Apr., May, Sept., Oct.
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H

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*Handy & Harman—Jan., Mar., May, July, Sept., Nov.
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*Homestrand, Inc.—Mar.
*Hovis Screwlock Co.—June 15
*Huron Machine Products—May, Sept.
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I

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K

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*King Tester Corp.—Feb., May, Oct.
*Klingelhofer Machine Tool Corp.—June 15
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L

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*Lapeer Mfg. Co.—Jan., May, June 15, July, Nov.
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*Latrobe Steel Co.—Mar., Apr., May, June, June 15, July, Aug., Sept., Oct., Nov., Dec.
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*Livernois Engineering Co.—June 15
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M

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*Manex Machinery Corp.—Sept., Nov.
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*Metal Carbides Corp.—Jan., Mar., May, July, Sept., Nov.
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*Modernair Corp.—Jan., Feb., Mar., Apr., May, June
*Mohawk Tools, Inc.—Jan., Mar., May, July, Sept., Nov.
*Monroe Engineering Products, Inc.—June 15
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*Morris Co., Robert E.—Jan.
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N

*National Acme Co., The—Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec.
*National Broach & Machine Co.—Feb., Apr., May, July, Sept., Nov.
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*Nilson Machine Co., The A. H.—Mar., June, Sept., Nov.
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*Northwestern Tools, Inc.—Jan., Mar., May, Sept., Nov., Dec.
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O

*Oakite Products, Inc.—Jan., Feb., Mar., Apr., June, July, Sept., Oct., Nov.
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*Olivetti Corporation of America—June, Sept., Nov.
*Olsen Testing Machine Co., Tinius—Feb., Apr., June, Aug., Oct., Dec.
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*Opto-Metric Tools, Inc.—Feb., Apr., June, Aug., Oct., Dec.
*Orman-Miller Machine Co.—Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec.
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P

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*Petz-Emery, Inc.—Mar., June, Nov.
*Pines Engineering Co., Inc.—Jan., Mar., May, June, Sept., Nov.
*Pioneer Aluminum, Inc.—Feb., June 15
*Pioneer Central Division, Ultrasonics, Bendix Aviation Corp.—Jan., Feb., Mar., Apr., June, Aug.
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Pratt & Whitney Co., Inc.—Mar.
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*Producto Machine Co., The—Feb., Apr., May, June 15, Sept., Nov.
Projecto Graph—Nov.
*Punch Products Corp.—Feb., Mar., Apr., June 15, Dec.

Q

*Quackenbush Co., A. B.—June 15
*Queen Products Division, Almco, King-Seely Corp.—Jan., Mar., Apr., June, Sept., Nov.

R

RCA Industrial & Automation Division—June 15
*Rahn Granite Surface Plate Co.—Sept.
Raybestos-Manhattan, Inc., Manhattan Rubber Division—Jan., Feb., Mar., May, Sept., Oct., Nov., Dec.
Raymac Division, Dexco Corp.—June 15
*Ready Tool Co.—June 15

Reed Rolled Thread Die Co.—Feb., Mar., Apr., May, Sept., Nov.
Reliant Gage & Supply Co., Econ-O-Check Gaging Products—Sept.
*Richard Brothers Punch Division, Allied Products Corp.—June 15
*Richards Co., J. A.—Apr., June 15
Ring Punch & Die, Inc.—July, Sept., Nov.
Rivett Lathe & Grinder, Inc.—Feb., Mar., May, June 15, Aug., Oct., Nov.
*Robbins Co., Omer E.—Feb., Apr., June, June 15, Aug., Oct., Dec.
*Robinson Aviation, Inc.—Apr.
Rockford Clutch Division, Borg-Warner Corp.—Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec.
Roll & File Systems, Inc.—May, Sept.
Ronald Press Co.—Feb.
*Ross Operating Valve Co., Inc.—June 15
Roto-Finish Corp.—Oct.
*Russell, Holbrook & Henderson, Inc.—Jan., Feb., June, June 15, July, Aug., Sept., Oct., Nov., Dec.
Rust-Lick, Inc.—Nov.
*Ryerson & Son, Inc., Jos. T.—Jan., Feb., Apr., June, Aug., Oct.

S

S & E Machine Products, Inc.—June 15
*Sandvik Steel, Inc., Coromant Division—Feb., Apr., June, Aug., Nov., Dec.
*Scherr Co., Inc., George—Feb., Apr., June, June 15, Sept., Oct., Dec.
*Scherr-Tumico, Inc.—June 15, Sept.
*Schrader's Son, A.—Jan., Mar., Apr., July, Aug., Sept., Oct., Nov., Dec.
*Scully-Jones & Co.—June 15, Sept., Oct., Nov.
*Seibert & Sons, Inc.—Feb., Apr., June, June 15, Aug., Oct., Dec.
*Service Machine Co.—Jan., Feb., Mar., Apr., May, June, June 15, July, Aug., Sept., Oct., Nov., Dec.
Severance Tool Industries, Inc.—Jan., Mar., May, July, Sept., Nov.
*Sheffield Corp., The—Feb., Oct., Dec.
*Sheldon Machine Co.—Jan., Feb., Mar., Apr., July, Sept., Oct., Nov.
Shell Chemical Corp.—Apr., June, Aug., Oct.
Shell Oil Co.—Sept., Oct.
*Siewek Tool Co.—June 15
*Sigma Machinery, Inc.—June 15
*Simonds Abrasive Co.—Jan., Mar., May, Sept., Oct., Nov.
*Simonds Saw & Steel Co.—Jan., Feb., Mar., Apr., May, June, Sept., Oct., Nov.
*Simpson Optical Mfg. Co.—Apr., May, June, Sept., Oct., Dec.
Sinclair Refining Co.—Mar., Apr., May, Sept., Oct., Nov.
*Skinner Chuck Co., The—Feb., Apr., June 15, Aug., Oct., Dec.
*Skinner Electric Valves—June 15
Slocomb Co., J. T.—Nov.
Smith Engineering & Tool Co.—June
Snow Mfg. Co.—Jan., Feb., Mar., Oct.
Snyder Corp.—June 15
Sossner Tap & Tool Corp.—Feb., Apr., Oct.
Southwest Products Co.—Feb., Apr., June, Aug., Oct., Dec.
Speedgrip Chuck Division, Ernest, Holdeman & Collett, Inc.—Jan., Mar., May, July, Sept., Nov.
Standard Die Set Co.—June 15
Standard Gage Co., Inc.—Jan., Oct.
*Standard Pressed Steel Co.—Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec.
Standard Tool Co.—Feb., Apr., June, Oct.
Staples Tool Co.—Feb., Apr., June
*Starrett Co., The L. S.—Feb., Mar., June 15, Sept., Oct., Nov.
Stocker & Yale, Inc.—Feb.
*Stone Machinery Co.—Feb., May, Oct.
Stromberg-Carlson, A Division of General Dynamics Corp.—June, July, Aug., Sept., Oct., Nov.
Stuart Oil Co., Ltd. D. A.—Feb., Apr., July, Sept., Nov.
Sturtevant Co., P. A.—May, July, Sept., Nov.
*Sun Oil Co.—Jan., Feb., Mar., Apr., May, June 15, July, Aug., Sept., Oct., Nov.
Sundstrand Machine Tool Division, Sundstrand Corp.—Feb., Apr., June, Aug., Oct., Nov., Dec.
*Sunnen Products Co.—Feb., Apr., May, June 15, Sept., Oct.
Super Tool Co., Division Van Norman Industries, Inc.—Feb., Mar., May, June 15, July
*Superior Steel Products Corp.—Jan., Feb., Mar., Apr., June 15, July, Sept.
Swedish Gage Co., C. E. Johansson Gage Co., Division—June 15
*Sykes Machine & Gear Corp.—Jan., Feb., Mar., Apr., May, June, June 15, July, Aug.

T

Texron, Inc., Waterbury Farrel Foundry & Machine Co., Division—Jan., Mar., Apr., May, Aug., Nov.
Thompson Grinder Co.—Jan., Feb., Mar., Apr., May, June, July, Sep., Nov.
Thompson & Son Co., The Henry G.—Feb.
Thomson Mfg. Co., Judson L.—June 15
*Thor Power Tool Co.—Mar., May, July, Aug., Sept., Oct.
Threadwell Tap & Die Co.—Jan., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec.
Thriftmaster Products Corp.—Feb., Apr., June, Aug., Oct., Dec.
Tietzmann Tool Corp.—June 15
Timken Roller Bearing Co.—Feb., Apr., June, Aug., Oct.
*Tinius Olsen Testing Machine Co.—Feb., Apr., June, Aug., Oct., Dec.
Titan Tool Co.—Jan., May, June, Sept., Oct., Nov.
Tomkins-Johnson Co.—Jan., Mar., Apr., June 15, July, Sept., Nov.
Topp Industries, Inc., Micro-Path, Subsidiary—Aug.
*Torrington Co., The—Apr., May, Aug., Nov.
Torrington Mfg. Co.—May, June, July, Sept., Oct., Nov.
Tracer Control Co.—June 15
*True-Trace Sales Corp.—June, Aug.
*Tubular Micrometer Co.—June 15, Sept

U

*Uddeholm Company of America, Inc.—Jan., Mar., May, July, Sept., Nov.
*Union Mfg. Co.—Mar., Apr., Sept., Oct.
Union Twist Drill Co., S. W. Card Division—Jan., Feb., Mar., Apr., June, Sept., Oct., Nov.
Union Twist Drill Co., Union Division—Jan., Feb., Mar., Apr., June, Sept., Oct., Nov.
Unisorb Division, The Felters Co.—June 15
U. S. Drill Head Co.—Jan., Feb., Mar., Apr., May, June, June 15, Sept., Oct., Nov., Dec.
U. S. Hoffman Machinery Co.—May, June 15, Dec.
U. S. Industries, Inc., Clearing Machine Corp.—Jan., Feb., Apr., May, June, June 15, Aug., Sept., Oct., Nov., Dec.
*U. S. Tool Co., Inc.—Feb., Apr., June, June 15, Aug., Oct., Dec.
Unitron Instrument Division, United Scientific Co.—Apr., June, Sept., Dec.
Universal-Automatic Corp.—Sept., Oct.
Universal-Cyclops Steel Corp.—Feb., Mar., Apr., May, Aug., Nov.
Universal Engineering Co.—June 15

V

*V & O Press Division, Emhart Mfg. Co.—June 15, Sept., Oct.
*Valvair Corp.—Apr., May, June, Aug., Sept., Nov.
*Vanadium-Alloys Steel Corp.—Mar., Apr., June, Sept., Oct., Nov.
*Van Keuren Co.—June, June 15
Van Norman Industries, Inc., Morse Twist Drill & Machine Co., Subsidiary—Jan., Feb., Apr., June, Aug., Oct.
Van Norman Industries, Inc., Super Tool Co., Division—Feb., Mar., May, June 15
Varimex, Ltd. (Polish Products)—July, Aug., Sept.
*Vascoloy-Ramet Mfg. Corp.—Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec.
Verson AllSteel Press Co.—Jan., Mar., May, July, Sept., Nov.
*Vibratory Feeder Co., Division, Automation Devices, Inc.—June 15, Aug.
*Vlier Engineering, Inc.—Jan., Mar., May, July, Sept., Nov.
Vogel Tool & Die Corp.—July, Sept.
*Vulcan Tool Co.—Jan.

W

*Waldes Kohinoor, Inc.—Jan., Feb., Mar., Apr., Sept., Nov.
*Wales-Strippit, Inc.—Feb., Apr., June, Aug., Oct., Dec.
Wallace Supplies Mfg. Co.—Jan., Mar., May, June
*Warner & Swasey Co.—Feb., Apr., June, Sept., Oct., Dec.
Waterbury Farrel Foundry & Machine Co., Division of Textron, Inc.—Jan., Mar., Apr., May, Aug., Nov.
*Watts Regulator Co.—June 15
*Webber Gage Co.—Mar., June 15, Sept.
*Weisser Machinery Corp.—June 15
Weldon Roberts Rubber Co., Brightboy Industrial Products Division—Jan., Feb., Mar., Sept., Oct., Nov.
*Wesson Co.—June 15
*West Point Mfg. Co.—June 15
*Whistler & Sons, Inc., S. B.—Feb., Apr., June, June 15, Aug., Oct., Dec.
White Metal Rolling & Stamping Corp.—Sept
Whitman & Barnes, Inc.—Feb., Apr., June, Oct., Dec.
*Whitmon Mfg. Co., The—Jan., Feb., Apr., Sept., Dec.
Wiedemann Machine Co.—Mar., June 15, Oct
Wiesner-Rapp Co., Inc., Farnham Mfg. Division—Nov.
Willey's Carbide Tool Co.—June 15
*Wilson Mechanical Instrument Division, American Chain & Cable Co.—Feb., Apr., May, June, Aug., Oct., Dec.
Winter Brothers Division, National Twist Drill & Tool Co.—Jan., Apr., June 15, Sept., Nov.
*Wisconsin Drill Head Co.—Apr., June 15, Sept.
Wollensak Optical Co.—Mar., Apr., Aug., Nov.
Woodson Tool Co.—Feb., May, Aug., Nov.
*Woodworh Co., N. A.—Jan., Apr., June, Oct

Y

Yoder Co., The—Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec.

Z

*Zagar Inc.—Feb., June, Oct., Dec.
*Zeiss, Inc., Carl—Jan., Mar., Apr., June 15, July, Sept., Oct., Nov., Dec.
Ziegler Tool Co., W. M.—Jan., Feb., Mar., Apr., May, July, Sept., Nov.